

1046-47-244

Jonathan Henry Brown* (jonathan.h.brown@dartmouth.edu), Department of Mathematics, 6188 Kemeny Hall, Dartmouth College, Hanover, NH 03755-3551. *Proper Actions of Groupoids on C^* -algebras*. Preliminary report.

In 1990 Rieffel introduced a notion of proper actions of groups on C^* -algebras. In his paper he shows how this generalizes the notion of a proper action of a group G on a space X , by considering the corresponding action of G on $C_0(X)$. Given a group G acting on a C^* -algebra A , Rieffel also introduces the notion of a generalized fixed point algebra $A^\alpha \subset M(A)$ and shows that A^α is Morita Equivalent to a subalgebra of the reduced crossed product. I will generalize these notions to groupoids acting on C^* -algebras and give a Morita Equivalence result. (Received August 22, 2008)